WILLIAM MORRELL

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(213)-458-9088 ♦ wmorrell@usc.edu ♦ wmorrell@gmail.com

OBJECTIVE

To work as a software developer in a stimulating and challenging environment.

EDUCATION

Master of Science in Computer Science   Expected Graduation: December 2006
Bachelor of Science in Computer Science, Minor in Philosophy
University of Southern California, Viterbi School of Engineering   Los Angeles
- 3.50/4.00 GPA, 3.59/4.00 Major GPA, 3.82/4.00 Graduate GPA
- Relevant Coursework:
    - **Computer Science**: Design and Analysis of Algorithms, Artificial Intelligence, Operating Systems, Compiler Design, Multimedia Systems Design
    - **Electrical Engineering**: Assembly Language Programming, Computer Systems Architecture
    - **Philosophy**: Symbolic Logic, Anglo-American Philosophy, Contemporary Moral and Ethical Theory

ACADEMIC PROJECTS

Operating System: NACHOS   Summer 2005
- Performed lead programmer duties for operating system running of a simulated MIPS machine
- Implemented threads and processes, synchronization, system calls, paged virtual memory, client/server networking

Robotic Soccer   Fall 2004
- Designed two robots on a team of six people, one three-wheeled omni-directional motion, and one four-wheeled
- Wrote state machine, omni-directional movement controls, and object tracking code

WORK EXPERIENCE

Software Engineer Intern   May 2006 – August 2006
Integrity Applications, Inc.   El Segundo, CA
- Designed a project to link databases containing imagery, locations, and accuracy data, and display in a map viewer
- Created specific implementations for FalconView and Google Earth based on abstract layer
- Wrote COM DLLs for FalconView and Google Earth in C++, and wrapped the libraries in JNI for use in Java code
- Set up Tomcat servlets for image mosaics and KML data

Student Worker   October 2004 – Current
USC Trojan Housing and USC Health Promotion Department   Los Angeles, CA
- Ensure that backups and security updates occur in a timely fashion, and troubleshoot on an on-call basis
- Select and set up new laptop and desktop computers for Health Promotion Department

Programmer / Web Developer   January 2003 – December 2003
USC Center for Global Education   Los Angeles, CA
- Implemented and maintained several websites dealing with safety issues in foreign countries
- Collaborated on the design and content for multiple websites, set up templates for similarly designed pages

SKILLS

Programming:
- Languages: C/C++/C#, Java, PHP, SQL, Assembly (MIPS)
- Libraries: STL, Win32 API/MFC, COM, OpenGL, AWT, Swing, JNI, OpenCV
- Markup: HTML, XML, KML, JavaScript, CSS

Computer Software:
- Operating Systems: Windows (95, 98, NT, 2000, XP), Linux (Fedora, Ubuntu), OS X, Solaris
- Development: emacs, vi, gcc, gmake, Xcode, Visual Studio, Eclipse, Subversion/CVS, flex, bison
- Networking: Apache, Tomcat, VNC, Timbuktu Pro, PuTTY (ssh), FTP
- Documents / Images: MS Office, OpenOffice, Dreamweaver, Photoshop, the GIMP

Interview Summary Notes

Candidate Name:	William Morrell		Date of Interview:	10/18	
Phone Number:	213-458-9088		School Name:	USC	
Program (check all that apply):	☒ECH ☐APT ☐COOP ☐SUM		Highest Degree/Major:	MS	CS
Are you legally authorized to work in the United States?		Yes	GPA/Graduation Date:	3.82	12/06

Interview Summary

Technical Skills:	Focus of his MS is graphics/imaging. Strong C/C++, Java, Assembly, STL, COM, JNI, HTML, Windows, Linux, Unix, O SX, Eclipse, Solaris, Subversion/CVS, Tomcat, VNC.
Job Experience/Internships:	Did an imagery correlation application and imagery/map integration. Worked with mentors to use "Falcon View" and Google Earth. Had to work with somewhat inadequate I/F specifications and had to resolve through own effort. Also did some general IT tasks at USC as on campus jobs.
School Projects:	Worked on simulated MIPS machine and wrote OS on top of this, also did most of programming due to his teammates not "getting it".
Interpersonal Skills/Team Work Leadership skills:	Worked with several interns and mentors at Integrity Applications. Had a Marine as a mentor who didn't understand software. William had to bridge this gap, seemed to really enjoy teamwork setting.
Career Interests/Goals:	Likes coding and working with really smart people.
Additional Comments:	Has offer from Integrity which he must decide on by November 6.

Next Step

Status (check one):	☐ On-Lab Interview:	☒ Interest List:	☐ No Interest:	Available Times for Interview	TBD

Route to Division: (check all that apply)	1X ☒	2X ☐	31X ☒	32X ☐	33X ☐	34X ☐	35X ☐	37X ☐	38X ☒	4X ☐	5X ☐

Route to Manager(s):	Name		Section	315, 316, 386/387, 317, 172, 173
	Name		Section	
Technical Interviewer:	Robert Vargo	Ext.: 4-9285	Section/Org:	3160
HR Team Leader:	Susan Androvich	Ext.: 3-0019	Section/Org:	1152